

ABSTRACT

Disclosed here is a pulse welding control method and a pulse arc welding device capable of improving arc stability, and decreasing the amount of spatters. The structure contains arc short-circuit judging section (13) for judging a welding state; setting section (21) for defining parameters used for a short-circuit period and an arc period; secondary control section (25); and driving section (18). Secondary control section (25) sharply decreases welding current on detecting a moment when the tip of a wire has a neck just before recovery from the short circuit, according to at least any one of outputs from a welding current value detector, a welding voltage value detector, and the setting section. Driving section (18) selects from outputs of a pulse-waveform circuit section and a dip-waveform circuit section according to the signal from the setting section and the output from the arc short-circuit section, and outputs the selected data to a switching element.